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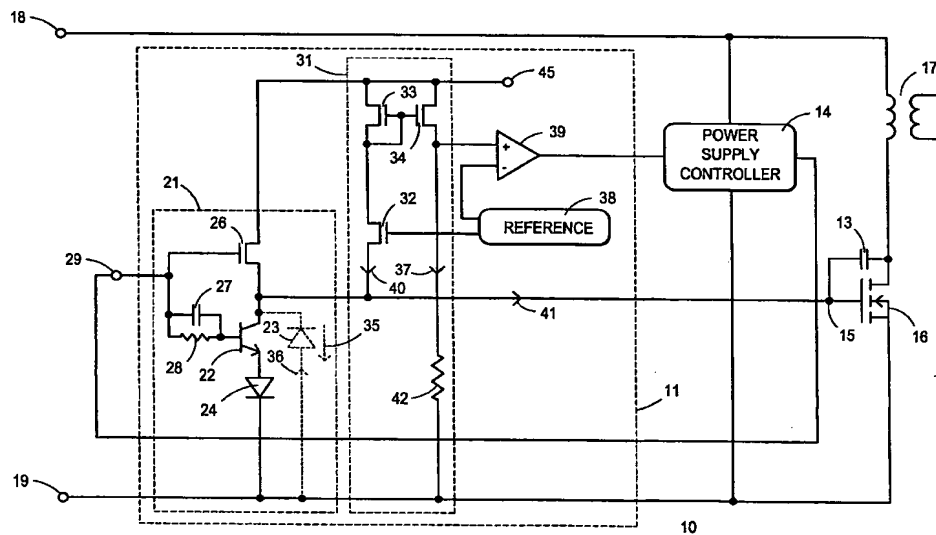
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(54) Title: **NEGATIVE CURRENT COMPENSATION METHOD AND CIRCUIT**



(57) Abstract: A power supply controller (10, 60, 70) uses a negative current (36) of a power transistor (16, 71) to detect the valley point for enabling the power transistor when driving an inductor (17). The negative current occurs when the inductor is de-magnetized and can be used for controlling the time to enable the power transistor.

WO 2005/041395 A1